PTO/SB/08a (01-08)

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/533,025

Filling Date 04/26/2005

First Named Inventor Behr

Art Unit 1655

Examiner Name Qiuwen MI

Attorney Docket Number 41313-1004

(Use as many sheets as necessary)

Sheet 1 of 11

-			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Α	us- 2001/00513347	12-13-2001	Kundu, et al.	
	В	us- 2003/0077685	04-24-2003	Schmidt, et al.	
	С	us- 2003/0099631	05-29-2003	Koji, et al.	
	D	us- 2004/0234480	11-25-2004	Pauly, et al.	
	Ė	us- 2006/0228426	10-12-2006	Cyr	
	F	us- 4,855,131	08-08-1989	Iris	
	G	us-4,857,325	08-15-1989	Albeck, et al.	
	Н	us-4,923,697	05-08-1990	Albeck, et al.	
	ı	us- 5,073,545	12-17-1991	Arima, et al.	
	J	us- 5,141,741	08-25-1992	Ishida, et al.	
	K	us- <b>5,627,216</b>	05-06-1997	Papadopulos	
	L	us- <b>5,665,367</b>	09-09-1997	Burger, et al.	
	М	us- <b>5,824,320</b>	10-20-1998	Rouillard, et al.	
	N	us- 5,837,224	11-17-1998	Voorhees, et al.	
	0	us- <b>5,935,809</b>	08-10-1999	Ryan, Jr., et al.	
	Р	us- 6,079,415	06-27-2000	Bernerd, et al.	
	Q	us- 6,096,711	08-01-2000	Sherman, et al.	- <u></u>
	R	us-6,130,254	10-10-2000	Fisher, et al.	

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>8</sup>	
	S	CA 1,298,558	04-07-1992	Rudov			
	T	CA 2,087,600	03-18-1997	D'Arrigo			
	U	CA 2,092,821	11-19-2002	Okpanyi			
	V	CA 2,185,983	04-13-2004	Kwak et al.			
	W	CA 2,189,486	05-04-1998				

Examiner Signature	/Qiuwen Mi/	Date Considered	06/17/2008
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>8</sup>Applicant is to place a check mark here if English language Translation is attached.

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Complete if Known Substitute for form 1449A/PTO 10/533,025 Application Number INFORMATION DISCLOSURE 04/26/2005 Filing Date STATEMENT BY APPLICANT First Named Inventor Behr Art Unit 1655 **Examiner Name** Qiuwen MI (Use as many sheets as necessary) 2 Attorney Docket Number 41313-1004 11 Sheet

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	U. S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
	X	us-6,177,122	01-23-2001	Fahey, et al.					
	Y	us-6,193,975	02-27-2001	Bonte, et al.					
	Z	us-6,271,001	08-07-2001	Clarke, et al.					
_	AA	us-6,307,101	10-23-2001	Campbell, et al.					
	AB	us-6,342,208	01-29-2001	Hyldgaard, et al.					
	AC	us-6,365,630	04-02-2002	Fisher, et al.					
	AD	us-6,406,720	06-18-2002	Pauly, et al.					
	AE	us-6, <b>432,45</b> 6	08-13-2002	Mori					
	AF	us-6,676,975	01-13-2004	Whittle, et al.					
	AG	us-6,682,763	01-27-2004	Kuno, et al.					
	AH	us-6,762,280	07-13-2004	Schmidt, et al.					
	Al	us-6,764,693	07-20-2004	Smith					
	AJ	us-6,800,292	10-05-2004	Murad					
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	AP	CA 2,288,339	05-11-1998	Raskin		
	AQ	EP 1 275 372 A1	01-15-2003	Breton		
	AR	FR 2 812 544	02-08-2002	Liviero et al.		
	AS	JP 08104628	04-23-1996	Kumagai et al.		
	AT	JP 11079970	03-23-1999	Suzuki et al.		

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			Application Number	10/533,025	
J	NFORMATION DISCL	.OSURE	Filing Date	04/26/2005	
•	STATEMENT BY APP	LICANT	First Named Inventor	Behr	
	•		Art Unit	1655	
	(Use as many sheets as necess	ary)	Examiner Name	Qiuwen MI	
Sheet	4	ıf 11	Attorney Docket Number	41313-1004	

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	AZ	JP 2003 201212	07-18-2003	Inomata et al.							
	ВА	JP 2003 201229	07-18-2003	Inomata et al.							
-	ВВ	WO 98/49267	11-05-1998	Raskin							
	ВС	WO 00/07437	02-17-2000	Raskin							
	BD	WO 00/51562	09-08-2000	Inomata							

Examiner Signature	/Qiuwen Mi/	Date Considered	06/17/2008
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S	ubstitute for form 1449A/PTO			Co	mplete if Known	
_				Application Number	10/533,025	
I	NFORMATION DISC	CLC	SURE	Filing Date	04/26/2005	
	STATEMENT BY AP	PL	ICANT	First Named Inventor	Behr	
				Art Unit	1655	
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Sheet	5	of	11	Attorney Docket Number	41313-1004	

Examiner Cite Initials* No.1		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.¹	Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>®</sup>			
	BE	WO 00/62789	10-26-2000	Msika					
-	BF	WO 02/11745	02-14-2002	Kim et al.					
	BG	WO 02/34231	05-02-2002	Breton et al.					
	ВН	WO 02/34276	05-02-2002	Breton et al.					
	BI	WO 02/069992	09-12-2002	Cyr .					

Examiner Signature	/Qiuwen Mi/	Date Considered	06/17/2008
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	Substitute for form 1449A/PTO  INFORMATION DISCLOSI STATEMENT BY APPLICA  (Use as many sheets as necessary)	Substitute for form 1449A/PTO		Co	Complete if Known		
_			Application Number	10/533,025			
	<b>NFORMATION DISC</b>	CLC	SURE	Filing Date	04/26/2005	<del></del>	
	STATEMENT BY AF	PL	ICANT	First Named Inventor	Behr		
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Sheet	6	of	11	Attorney Docket Number	41313-1004		

			U. S. PATENT D	OCUMENTS	
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	BJ	RU 2141328	11-20-1999	Chenko et al.					
	вк	WO 03/035092	05-01-2003	Kim	-				

Examiner Signature	/Qiuwen Mi/	Date Considered	06/17/2008

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Complete if Known Substitute for form 1449B/PTO **Application Number** 10/533,025 INFORMATION DISCLOSURE Filing Date 04/26/2005 STATEMENT BY APPLICANT **First Named Inventor** Behr Art Unit 1655 (Use as many sheets as necessary) **Examiner Name** Qiuwen MI 11 Attorney Docket Number 41313-1004 Sheet

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	BL	Y. Allanore et al., (2003), J. Rheumatol., 30(1):68-73	
	ВМ	A. Berton et al., (2000), Matrix Biol, 19(2):139-146	
	BN	S. Bosset et al., (2003), Br J Dermatol., 148(4):770-8	
	во	P. Brenneisen et al.; (2002), Ultraviolet-B irradiation and matrix metalloproteinases: from induction via signaling to initial events. Ann NY Acad. Sci., 973:31-43	
·	BP	M. Demeule et al., (2000), Biochimica et Biophysica Acta. Matrix metalloproteinase inhibition by green tea catechins, pp. 51-60	
	BQ	B. Dubois et al., (1998), Regulation of Gelatinase B (MMP-9) in Leukocytes by Plant Lectins, FEBS Lett., 427:275-278	
	BR	SE Fligiel et al., (2003), J. Invest Dermatol., 120(5):842-8	
	BS	D.C. Gervasi et al., (1996), Carbohydrate-Mediated Regulation of Matrix Metalloproteinase-2 Activation in Normal Human Fibroblasts and Fibrosarcoma Cells, Biochem. Biophys. Res. Comm., 228:530-538	
	ВТ	Y. Hojima et al., (Mar 1983), Survey of plant inhibitors of polymorphonuclear leukocyte elastase, pancreatic elastase, cathepsin G, Hageman factor fragments, and other serine proteinases, Biochem Pharmacol, 32(6) 985-990	
	BU	K.A. Homer et al., (1992), Inhibition of Peptidase and Glycosidase Activities of Porphyromonas-Gingivalis Bacteroides-Intermedius and Treponema-Denticola by Plant Extracts, Journal of Clinical Periodontology, 19:305-310	

Examiner	/Qiuwen Mi/	Date	06/17/2008
Signature		Considered	

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Complete if Known Substitute for form 1449B/PTO **Application Number** 10/533.025 INFORMATION DISCLOSURE Filing Date 04/26/2005 STATEMENT BY APPLICANT First Named Inventor Behr Art Unit 1655 (Use as many sheets as necessary) **Examiner Name** Qiuwen MI Attorney Docket Number 8 11 41313-1004 Sheet

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	-	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BV	N. Isnard et al., (2002), Biomed Pharmacother., July, 56(5):258-264	
	BW	S. Johansson et al., (2002), J. Nat Prod., 65:32-41	
	BX	M. Jonadet et al., (Jan-Mar 1986), [Flavonoids extracted from Ribes nigrum L. and Alchemilla vulgaris L.: 1. In vitro inhibitory activities on elastase, trypsin and chymotrypsin. 2. Angioprotective activities compared in vivo]., J. Pharmacol, 17(1)21-27.	
	BY	CM Keilty et al., (1994), FEBS Lett, 351:85-89	
	BZ	CM Keilty et al., (2002), J Cell Sci., 115:2817-2828	
	CA	Koch et al., (1991), Agents Actions, 34:350-7	
	СВ	Krupa and Mort (2000), Anal Biochem., 283(1):99-103	
	CC	J. Labat-Robert et al., (2000), Age dependent increase of elastase type protease activity in mouse skin. Effect of UV-irradiation, J. Photochem Photobiol B, 57(2-3):113-8	
	CD	K.K. Lee et a., (1999), Inhibitory Effects of 150 Plant Extracts on Elastase Activity and Their Anti-inflammatory Effects, International Journal of Cosmetic Science, Vol. 21, No. 2, pp. 71-82	
	CE	F. Lopez et al., (1994), Accumulation of a 22-kDa protein and its mRNA in the leaves of Raphanus sativus in response to salt stress or water deficit, Physiologia Plantarum, 91:605-614	

Examiner	/Qiuwen Mi/	Date Considered	06/17/2008
Signature		Considered	

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Subs	titute for form 1449B/PTO				Complete if Known	1
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Sheet	9	of	11	Attorney Docket Number	41313-1004	ブ

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	CF	WD McMillan et al., (1997), Circulation, 96:2228-2232	
	CG	MF Melzig et al., (Sept 1999), Inhibition of granulocyte elastase activity by caffeic acid derivatives, Pharmazie, 54(9) 712	
	СН	Nagase et al., (1998) Inhibitory Effect of Delphinidin from solanum Melongena on Human Fibrosarcoma HT-1080 Invasiveness in vitro, Planta Med., 64:216-219.	
	CI	Y. Nishimori et al., (2001), Degenerative alterations of dermal collagen fiber bindles in photodamaged human skin and UV-irradiated hairless mouse skin: possible effect on decreasing skin mechanical properties, J. Invest Dematol., 117(6): 1458-63	
	CJ	Obayashi et al., (1998), Nippon Keshonin Gijutsusha Kaishi, 32:272-279	
	СК	Paemen et al., (1996) Biochem. Pharm. 52:105-111	
····	CL	D.H. Paper, (1998), Natural Products as Angiogenesis Inhibitors, Planta Medica, Vol. 64, No. 8, pp. 686-695	
	СМ	T. Reinheckel et al., (2001), Biol Chem, 382(5):735-741	
	CN	R. Roguet, (2002), Skin Pharmacol Appl Skin Physiol., 15 Suppl 1:1-3	
	СО	K. Sakuraoka et al., (1996), J Dermatol Sci, 12(3):232-237	

Examiner Signature /Qiuwen Mi/ Date Consi	ored 06/17/2008
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<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

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Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO				Complete if Known		
				Application Number	10/533,025	
INF	FORMATION DIS	CLOS	URE	Filing Date 04/26/2005		
STATEMENT BY APPLICANT				First Named Inventor	Behr	
				Art Unit	1655	
•	(Use as many sheets as nec	essary)		Examiner Name	Qiuwen MI	
Sheet	10	of	11	Attorney Docket Number	41313-1004	

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	СР	B. Starcher et al., (1995), Ciba Found Symp, 192:338-46		
	cQ	M. Szendroi et al., (1984), J. Invest Dermatol, 83:224-229		
	CR	K. Tsukahara et al., (2001), Biol Pharm Bull, 24(9):998-1003		
	CS	RE Watson et al., (1999), J. Invest Dermatol., 112(5):782-7		
· · · · · · · · · · · · · · · · · · ·	СТ	U. Wormser et al., (1997), Arch Dermatol Res., 289(12):686-691		
	cu	QL Ying et al., (July 1991), Inhibition of human leuccyte elastase by ursolic acid. Evidence for a binding site for pentacyclic triterpenes, Biochem J., 15:277 (pt 2) 521-526		
	cv	International Search Report from WO 2006/053415		
	cw	International Search Report from WO 2004/019961		
	сх	Office Action dated 10/06/2006 for U.S. Application No. 10/469,402	•	
	CY	Office Action dated 05/30/2007 for U.S. Application No. 10/469,402		

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Complete if Known Substitute for form 1449B/PTO **Application Number** 10/533,025 INFORMATION DISCLOSURE Filing Date 04/26/2005 STATEMENT BY APPLICANT **First Named Inventor** Behr Art Unit 1655 (Use as many sheets as necessary) **Examiner Name** Qiuwen MI 11 Attorney Docket Number 41313-1004 11 Sheet

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	CZ	Office Action dated 02/27/2007 for U.S. Application No. 10/526,387			
	DA	Office Action dated 06/28/2007 for U.S. Application No. 10/526,387			
	DB	Office Action dated 10/21/2007 for U.S. Application No. 10/526,387			
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